

RAJNISH SINGH

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EDUCATION

CHANDIGARH UNIVERSITY

Bachelor of Engineering
Major in Computer Science
Cumulative CGPA: 8.23

MOHALI, PUNJAB

Jul 2020 - Jul 2024

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

KENDIRYA VIDYALAYA

Intermediate (CBSE)
Percentage: 83.6

JODHPUR, RAJASTHAN

Jul 2019 - Jul 2020

WORK EXPERIENCE

Tata Consultancy Services (TCS)

Java Developer

NOIDA, UTTAR PRADESH

Jun 2024 – Present

Microservices Application:

Designed and developed **5+ new microservices** using **Java**, **Apache Camel**, and **NGINX**, improving system scalability and performance by **30%**.

Implemented a **comprehensive Audit Trail system** across **100+ database tables**, ensuring 100% traceability and compliance with audit standards.

Enhanced application reliability and maintainability by maintaining **95%+ code quality** (SonarQube metrics) and following clean code practices.

Contributed to Oracle database migration to **OCI**, resulting in **20% faster query performance** and reduced infrastructure costs.

Veeva-Based Application:

Served as a **Configuration Specialist**, leading multiple automation and optimization initiatives.

Engineered an **automated user access provisioning solution**, reducing creation time from 3–4 hours to **under 20 seconds** — achieving **99% efficiency gain** and eliminating manual errors.

Automated the **periodic access review process**, cutting completion time from 2–3 days to **20 seconds**, improving compliance turnaround by **98%**.

Delivered both automation use cases **end-to-end independently**, showcasing strong ownership and technical initiative.

UNIVERSITY PROJECTS

Text File Zipper | Personal Project | [Link](#)

Implemented **Huffman Coding Algorithm**: Successfully designed and implemented a text file compressor using Huffman coding, a widely used and efficient data compression technique.

Achieved an impressive compression ratio, reducing the file size significantly while **preserving data integrity**. For example, I achieved an average **compression** ratio of **60%-70%** for text files of various sizes.

Developed robust encoding and decoding functionalities, ensuring fast and efficient compression and decompression processes. For instance, achieved an average encoding and decoding time of **less than 100 milliseconds** for files up to 1 MB in size.

ACHIEVEMENTS

Led end-to-end development of Audit Trail functionality across multiple database entities.

Built automation solutions that reduced operational timelines by over **95%**.

Participated in Youth Parliament competition and twice selected from the northern region for nationals..

ADDITIONAL

Technical Skills: Java, Spring, SQL, Nginx, Apache Camel(Middleware), Apache tomcat, Git, Github, Veeva(Configurations)

Certifications & Training: Master Spring Boot 3 & Spring Framework 6, Algorithms, Part I | Coursera